UTAH
TRAFFIC ACCIDENT
SUMMARY

1987

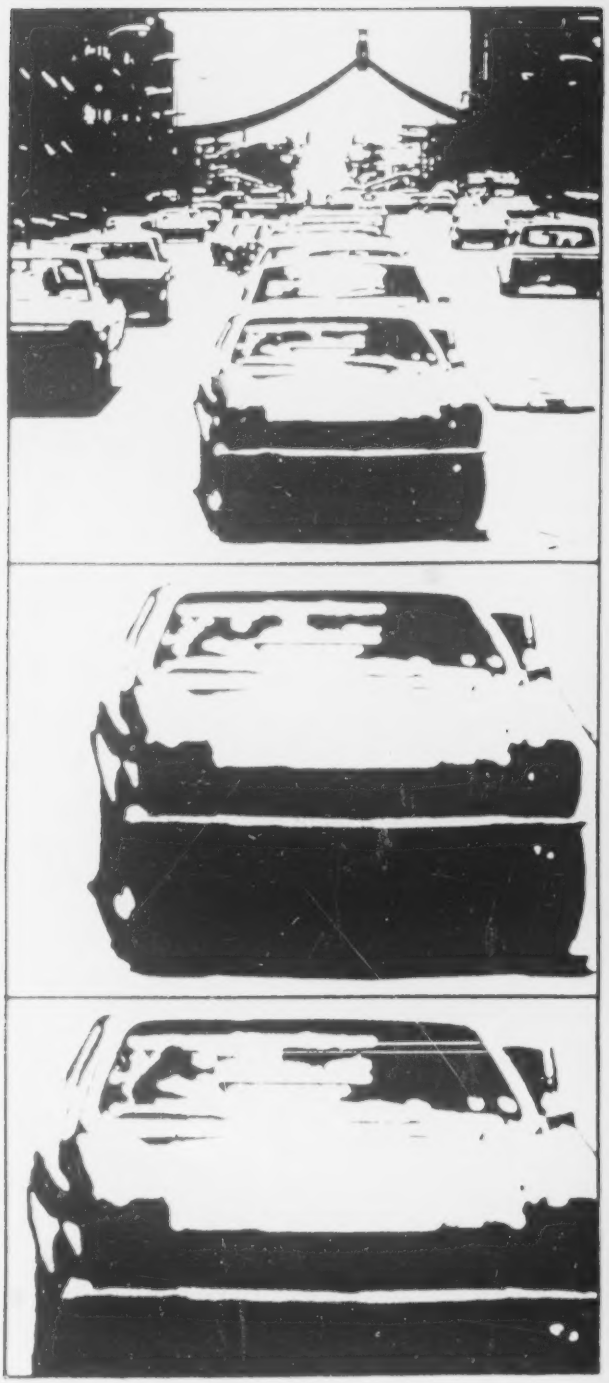
May 1, 1988

DEPARTMENT OF PUBLIC SAFETY

SERVICE SAFETY

PROFESSIONALISM

UTAH



UTAH DEPARTMENT OF PUBLIC SAFETY

JOHN T. NIELSEN, Commissioner

PREPARED BY: UTAH HIGHWAY SAFETY DIVISION
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INTRODUCTION

During 1987 there were 271 fatal crashes where 297 people lost their lives on Utah roads. This a decrease of 15 people killed from 1986 and slightly lower than the five-year average of 302.

Alcohol-related traffic deaths dropped significantly with 82 fatalities compared to 104 in 1986, 110 in 1985, and 129 in 1984. Only 28 percent of Utah's highway deaths were identified with alcohol involvement, which compares to the national average of 45 to 50 percent. Young drivers will be targeted in a campaign against drinking and driving. Special incentive funds under U.S. Code Section 408 for curbing drinking and driving have been used for the last three years. Additional funds for enforcement of DUI laws will be sought for another two years.

It was a bad year in 1987 for pedestrians with 63 deaths--the highest since 1979 when 70 were killed. Those killed between the ages of 0 and 13 accounted for 17 deaths or 27 percent of the total. There were 16 over age 60 who lost their lives as pedestrians or 25 percent. Additional efforts will be made in the future to promote safe walking.

Teen and young adult males were again a major collision risk group; however, females 15 to 23 years old were considerably more involved in fatal crashes than normal. There were 43 life-loss collisions in 1987 in comparison to a five-year average of 25 per year for young females.

Deaths at railroad grade crossings were prevalent in 1987 with 9 people killed. Two crashes accounted for 8 teenagers killed. Operation Lifesaver is a continuing campaign to promote grade crossing safety.

DATA SOURCE

The data used in this analysis was taken from fatal crash records collected by the Utah Highway Safety Office. These records include the State Accident Report and a Supplemental Fatal Accident Report. Information is also collected from newspapers, death certificates and obituaries. The statistical package, RBase (IBM) is used to extract the information comprising this analysis. Data from Utah fatal accidents are entered on the National Fatal Accident Reporting System maintained in Washington, D.C., through an IBM on-line terminal.

UTAH ACCIDENTS

1948 - 1987

Year	Total Accidents	Fatal-ities	Injur-ies	Number of Accidents Fatal	Number of Accidents Injury	Mil. Veh. Miles	Death Rate Per 100 Mil. Veh. Miles	Fatal Acc. Rate Per 100 Mil. Veh. Miles	Injury Rate Per 100 Mil. Veh. Miles	Total Acc. Rate Per 100 Mil. Veh. Miles
1948	9,961	220	3,982	169	2,675	2,351	9.36	7.19	169	424
1949	11,092	174	3,808	151	2,614	2,475	7.03	6.10	154	448
1950	12,705	188	4,459	169	3,004	2,839	6.62	5.95	157	448
1951	16,475	207	5,132	174	3,495	3,015	6.87	5.77	170	546
1952	17,710	246	5,140	184	3,474	3,050	8.07	6.03	169	581
1953	16,373	209	4,945	185	3,305	3,232	6.47	5.72	153	507
1954	15,103	209	4,495	176	3,016	3,336	6.27	5.28	135	453
1955	18,060	203	5,036	166	3,390	3,075	6.60	5.40	164	587
1956	17,531	215	4,812	176	3,310	3,310	6.50	5.32	145	530
1957	19,054	222	5,022	181	3,397	3,366	6.60	5.38	149	566
1958	22,220	193	5,658	171	3,762	3,531	5.47	4.84	160	629
1959	23,506	205	5,992	171	3,946	3,784	5.42	4.52	158	621
1960	26,478	256	9,128	200	5,576	3,852	6.65	5.20	237	687
1961	25,732	236	10,412	197	6,257	3,997	5.90	4.93	261	644
1962	26,613	233	11,133	186	6,968	4,240	5.50	4.34	263	628
1963	27,340	263	12,603	198	7,798	4,549	5.78	4.35	277	601
1964	29,452	295	14,096	246	8,636	4,790	6.17	5.14	294	615
1965	29,525	281	14,361	242	8,856	4,997	5.62	4.84	287	691
1966	29,957	331	14,994	265	9,076	5,079	6.52	5.22	295	590
1967	30,992	275	14,401	231	8,888	5,257	5.24	4.39	274	590
1968	34,532	289	15,539	258	9,550	5,539	5.22	4.66	281	623
1969	34,766	308	15,977	251	9,850	5,802	5.31	4.33	275	599
1970	35,166	335	17,076	276	10,722	6,108	5.49	4.52	280	576
1971	39,108	337	18,073	280	11,399	6,544	5.15	4.28	276	598
1972	39,856	382	18,261	312	11,630	6,969	5.48	4.48	262	572
1973	38,234	361	18,415	304	11,710	7,274	4.96	4.18	253	526
1974	31,401	228	16,268	204	10,560	7,457	3.06	2.74	218	421
1975	36,426	274	17,762	245	11,441	7,942	3.45	3.09	224	458
1976	34,345	254	18,315	225	11,685	8,420	3.02	2.67	218	408
1977	38,524	360	19,728	310	12,652	9,054	3.98	3.42	218	426
1978	42,684	376	21,029	315	13,423	9,826	3.83	3.21	214	434
1979	40,468	328	20,798	287	13,449	9,811	3.34	2.93	212	412
1980	33,582	335	17,828	292	11,701	10,645	3.15	2.74	167	315
1981	35,989	364	18,090	321	11,824	10,733	3.39	2.99	169	335
1982	38,192	296	17,538	263	11,504	10,947	2.70	2.40	160	348
1983	40,989	283	18,910	253	12,317	11,228	2.52	2.25	168	365
1984	47,489	315	20,487	274	13,477	11,642	2.71	2.35	176	408
1985	47,871	303	21,346	270	13,917	12,035	2.52	2.24	177	398
1986	46,690	312	21,350	276	13,988	12,253	2.55	2.25	174	381
1987	46,000*	297	21,057*	271	14,013*	12,202*	2.43*	2.22*	173*	376*

*Estimated

CUMULATIVE NUMBER OF FATAL ACCIDENTS
Number Killed

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	DEATHS PER 100 MILLION VEHICLE MILES TRAVELED
1978	12 14	30 33	51 54	75 82	97 105	131 146	176 204	209 252	243 295	272 327	298 358	315 376	3.83
1979	25 26	38 40	61 65	88 95	111 121	137 148	168 181	196 213	227 256	243 275	266 305	287 328	3.34
1980	18 20	31 34	53 59	79 90	103 117	132 147	159 182	185 211	214 242	242 275	267 309	292 335	3.15
1981	23 25	42 46	64 69	88 99	109 125	140 161	182 206	218 245	241 269	269 303	295 331	321 364	3.39
1982	13 15	29 33	55 61	72 80	96 108	119 134	152 173	186 211	216 246	231 261	248 278	263 296	2.70
1983	22 23	38 39	58 63	73 82	91 101	118 131	146 161	174 193	200 220	221 243	242 267	253 283	2.52
1984	11 11	21 22	36 39	63 69	89 100	119 134	145 167	183 209	215 244	237 269	255 292	274 315	2.71
1985	19 19	36 39	52 57	78 88	114 125	136 150	155 170	186 209	204 228	219 245	251 280	270 303	2.52
1986	11 11	22 22	39 44	56 64	81 97	114 136	142 166	172 200	200 232	229 261	255 289	277 313	2.55
1987	11 13	32 35	55 60	73 80	95 106	117 128	150 163	168 183	201 221	236 261	254 279	271 297	2.43*
Cumulative difference in deaths between current year and previous year:	+ 2	+13	+16	+16	+ 9	- 8	- 3	-17	-11	0	- 9	-15	

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*Estimated
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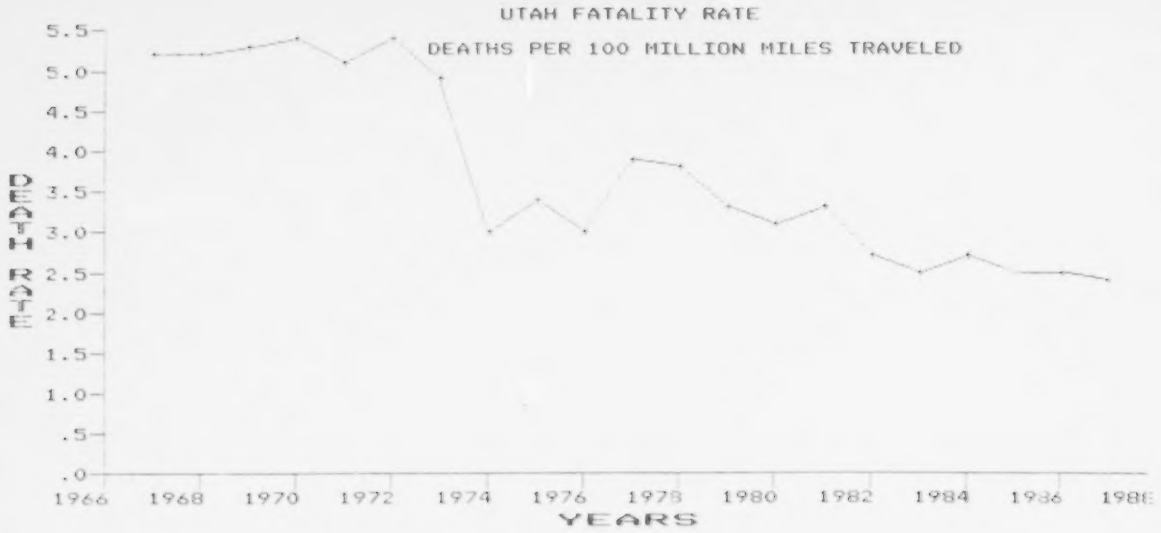
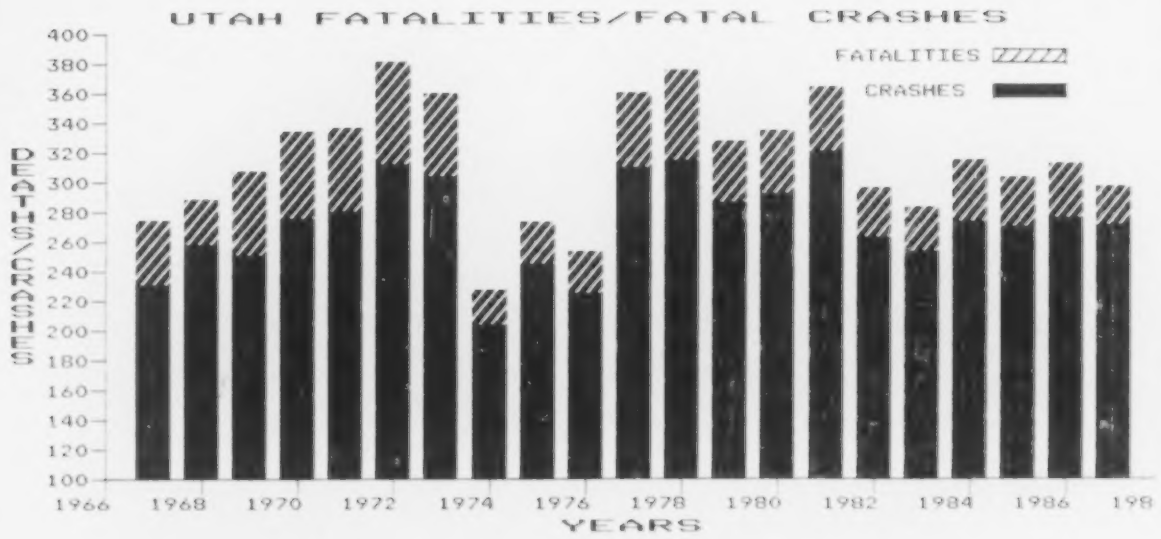
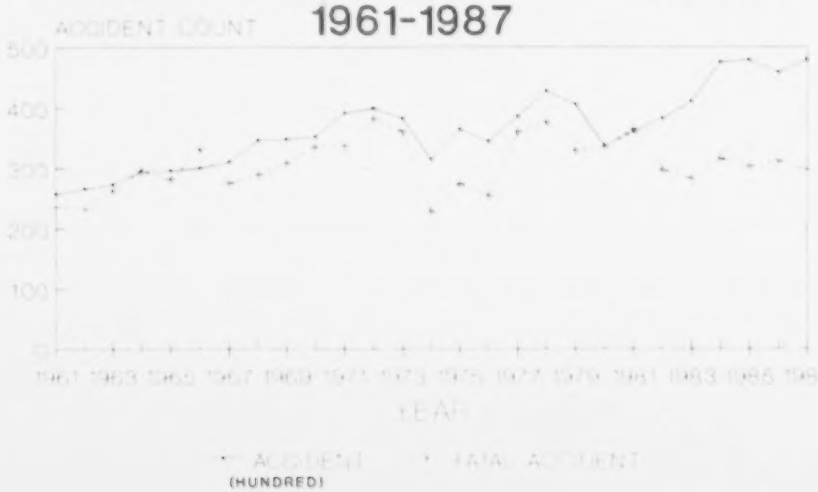




ACCIDENT & FATAL ACCIDENT
1961-1987



THE RELATIONSHIP OF ACCIDENT AND FATAL ACCIDENT

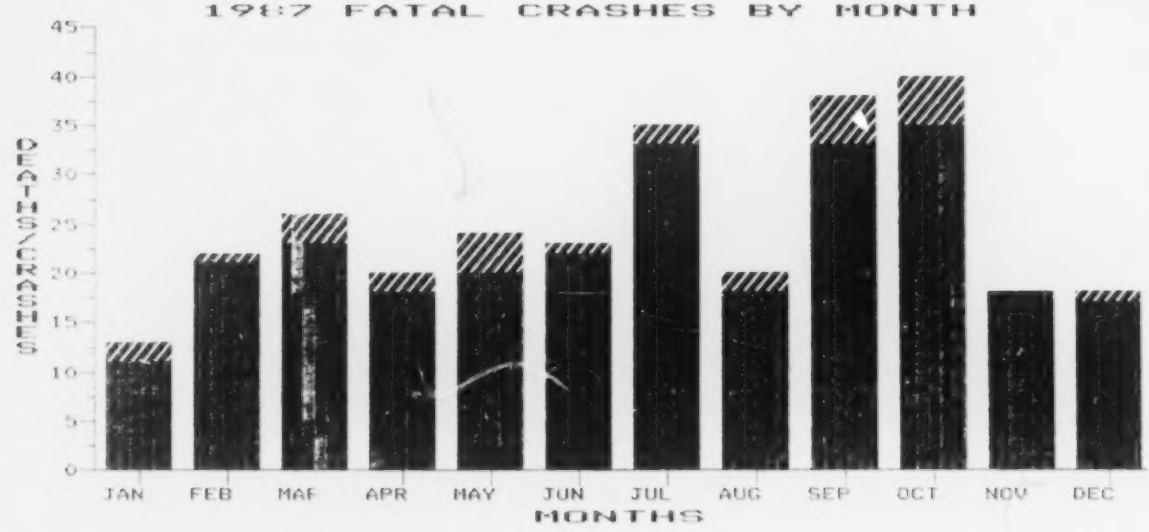
FATAL CRASHES BY COUNTY

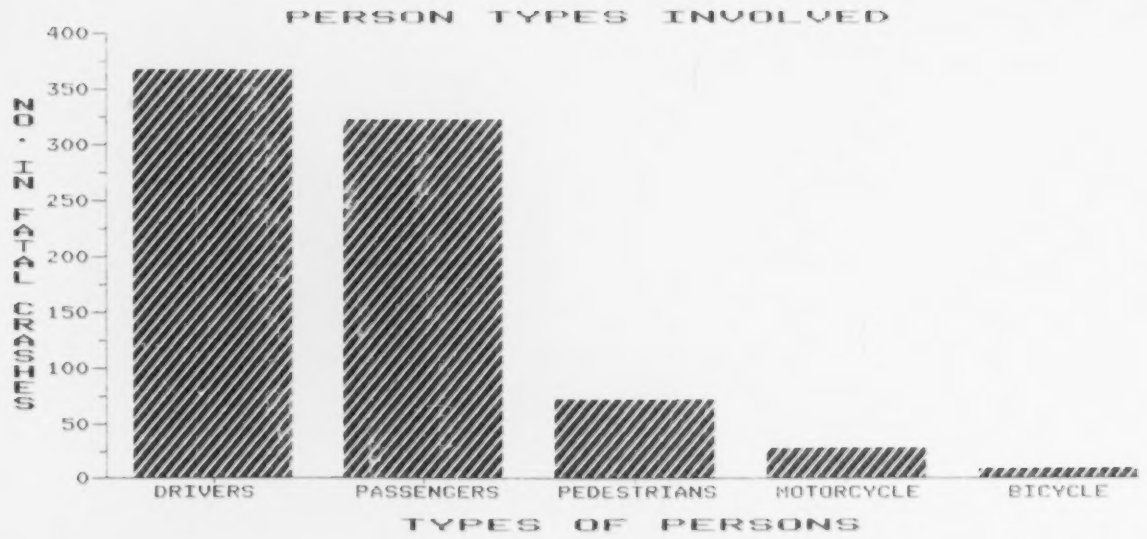
	1986				1987			
	ACC	%	FATAL	%	ACC	%	FATAL	%
BEAVER	1	0.3	1	0.3	2	0.7	2	0.7
BOX ELDER	19	6.9	23	7.4	13	4.8	18	6.1
CACHE	7	2.5	7	2.3	12	4.4	12	4.0
CARBON	6	2.3	6	1.9	1	0.4	1	0.3
DAGGETT	2	0.7	2	0.6	0	0.0	0	0.0
DAVIS	10	3.6	12	3.9	12	4.4	14	4.7
DUCHESNE	5	1.9	5	1.9	7	2.6	8	2.7
EMERY	10	3.6	11	3.5	3	1.1	3	1.1
GARFIELD	2	0.7	2	0.6	1	0.4	1	0.3
GRAND	4	1.5	4	1.3	9	0.3	12	4.0
IRON	10	3.6	10	3.2	5	1.8	5	1.7
JUAB	7	2.5	8	2.6	4	1.5	7	2.4
KANE	7	2.5	7	2.3	5	1.8	5	1.7
MILLARD	8	2.9	12	3.8	6	2.2	7	2.4
MORGAN	1	0.3	1	0.3	0	0.0	0	0.0
PIUTE	0	0.0	0	0.0	0	0.0	0	0.0
RICH	1	0.3	1	0.3	0	0.0	0	0.0
SALT LAKE	82	29.8	94	30.1	92	34.0	96	32.3
SAN JUAN	6	2.3	6	1.9	3	1.1	3	1.0
SANPETE	1	0.3	1	0.3	6	2.2	6	2.0
SEVIER	8	2.9	9	2.9	3	1.1	3	1.0
SUMMIT	5	1.9	5	1.6	6	2.2	6	2.0
TOOELE	10	3.6	11	3.5	11	4.1	11	3.7
UINTAH	5	1.9	5	1.6	4	1.5	4	1.3
UTAH	28	10.2	34	11.0	31	11.4	34	11.4
WASATCH	5	1.9	5	1.6	4	1.5	4	1.3
WASHINGTON	8	2.9	10	3.2	6	2.2	7	2.4
WAYNE	0	0.0	0	0.0	0	0.0	0	0.0
WEBER	18	6.2	20	6.4	25	9.2	28	9.4
TOTAL	276		312		271		297	

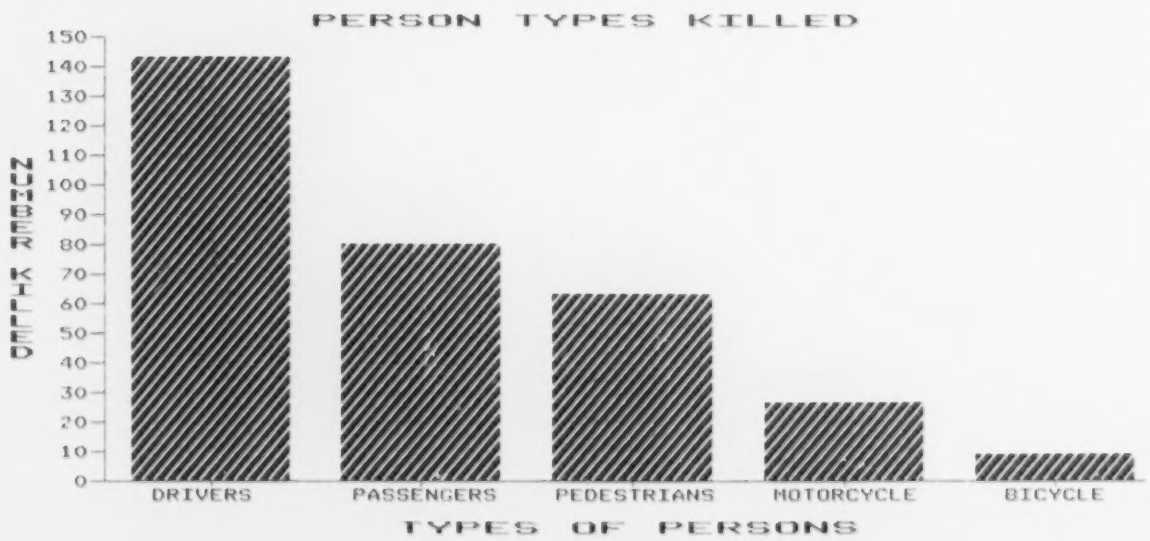
IN 1987 55% OF ALL FATAL CRASHES OCCURRED IN SALT LAKE, UTAH AND WEBER COUNTIES.

1987 FATAL CRASHES BY CITY

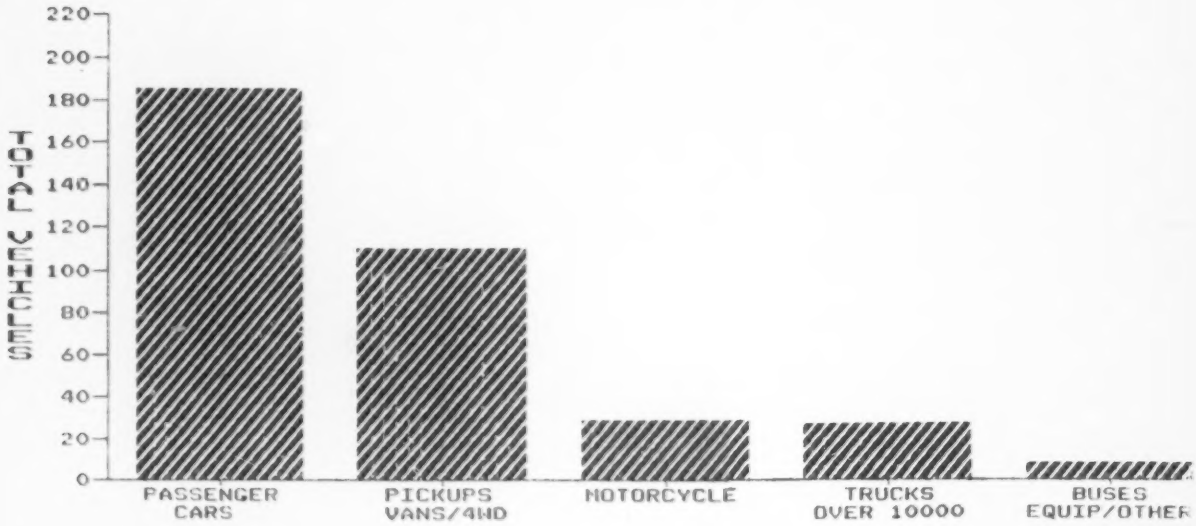
CITY	TOTAL	%	CITY	TOTAL	%
AMERICAN FORK	3	1.1	OREM	4	1.5
BEAVER	1	0.4	PARK CITY	1	0.4
BOUNTIFUL	3	1.1	PERRY	1	0.4
BRIGHAM CITY	2	0.7	PLEASANT VIEW	2	0.7
CACHE JUNCTION	1	0.4	PROVO	7	2.6
COALVILLE	1	0.4	RIVERTON	1	0.4
DRAPER	1	0.4	ROOSEVELT	4	1.5
FARMINGTON	2	0.7	ROY	3	1.1
FRUIT HEIGHTS	1	0.4	ST GEORGE	3	1.1
HARRISVILLE	1	0.4	SALT LAKE CITY	23	8.5
KANAB	1	0.4	SANDY	10	3.7
KEARNS	1	0.4	SMITHFIELD	3	1.1
LAYTON	2	0.7	SOUTH JORDAN	1	0.4
LINDON	1	0.4	SO SALT LAKE	1	0.4
LOGAN	1	0.4	SOUTH WEBER	1	0.4
MAGNA	3	1.1	SPANISH FORK	1	0.4
MENDON	1	0.4	SPRINGVILLE	1	0.4
MIDVALE	2	0.7	SYRACUSE	1	0.4
MOAB	1	0.4	TAD PARK	1	0.4
MURRAY	6	2.2	TOOELE	1	0.4
MYTON	1	0.4	WEST BOUNTIFUL	1	0.4
NEPHI	1	0.4	WEST JORDAN	1	0.4
NORTH OGDEN	1	0.4	WEST VALLEY CITY	14	5.2
OGDEN	9	3.3	WILLARD	1	0.4


1987 FATAL CRASHES BY MONTH
DEATHS/CRASHES
0
5
10
15
20
25
30
35
40
45
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC
MONTHS


PERSON TYPES INVOLVED
NO. IN FATAL CRASHES
0
50
100
150
200
250
300
350
400
DRIVERS
PASSENGERS
PEDESTRIANS
MOTORCYCLE
BICYCLE
TYPES OF PERSONS


PERSON TYPES KILLED
NUMBER KILLED
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
DRIVERS
PASSENGERS
PEDESTRIANS
MOTORCYCLE
BICYCLE
TYPES OF PERSONS

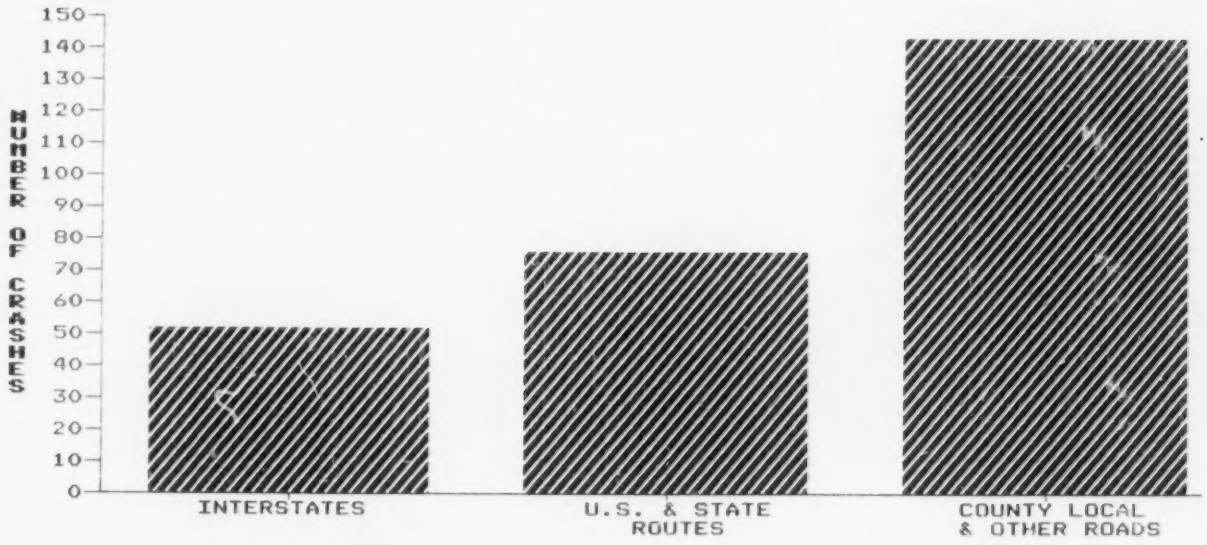
VEHICLE TYPES INVOLVED IN FATAL CRASHES



YEAR	PASSENGER CARS TOTAL	%	PICKUPS VANS AND 4WD VEH TOTAL	%	MOTOR-CYCLES TOTAL	%	TRUCKS OVER 10,000 GVW TOTAL	%	BUSES, EQUIPMENT AND OTHER VEHICLES TOTAL	%	TOTAL VEHICLES
1984	180	44.5	117	29.0	39	9.7	57	14.1	11	2.7	404
1985	218	51.9	116	27.6	38	9.1	35	8.3	13	3.1	420
1986	216	54.0	109	27.2	33	8.3	31	7.8	11	2.7	400
1987	185	51.5	110	38.6	29	8.1	27	7.5	8	2.2	359

IN 1987, THE PROPORTION OF ALL VEHICLES OTHER THAN PICKUPS, VANS AND 4WD VEHICLES INVOLVED IN FATAL CRASHES DECREASED COMPARED TO 1986.

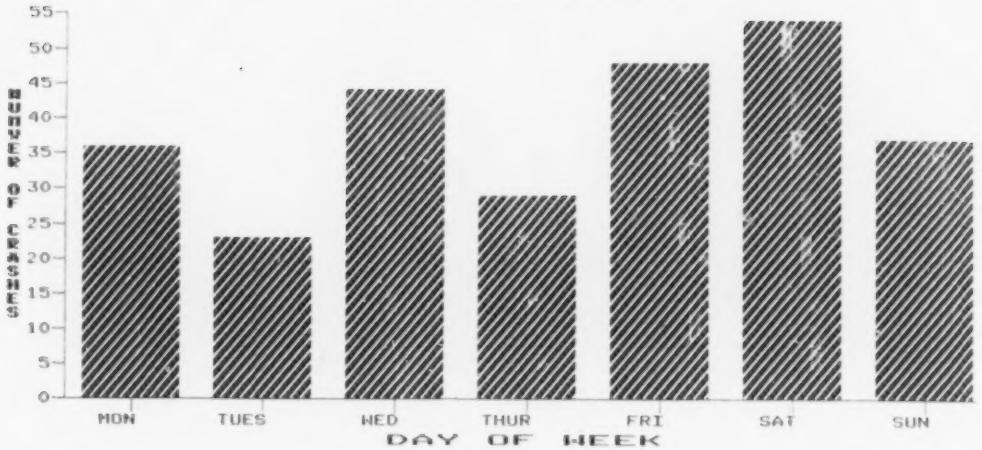
FATAL CRASHES BY CLASS OF TRAFFICWAY



	INTERSTATE		OTHER U.S.& STATE ROUTES		COUNTY, LOCAL & OTHER		TOTAL
	TOTAL	%	TOTAL	%	TOTAL	%	FATAL CRASHES
1984	60	22.0	112	41.0	101	37.0	274
1985	54	20.0	123	45.6	93	34.4	270
1986	53	19.2	101	36.6	122	44.2	276
1987	52	19.2	76	28.0	143	52.8	271

IN 1987 19% OF ALL FATAL CRASHES OCCURRED ON THE INTERSTATE SYSTEM, 28% ON OTHER U.S. AND STATE ROUTES, AND 52% OCCURRED ON THE LOCAL AND COUNTY TRAFFICWAYS.

FATAL CRASHES BY DAY



FATAL CRASHES BY DAY

	1984 TOTAL	%	1985 TOTAL	%	1986 TOTAL	%	1987 TOTAL	%
MONDAY	34	12.4	47	17.4	36	13.0	36	13.4
TUESDAY	35	12.8	36	13.3	32	11.6	23	8.4
WEDNESDAY	37	13.5	39	14.5	37	13.4	44	16.2
THURSDAY	29	10.6	27	10.0	35	12.7	29	10.7
FRIDAY	44	16.1	40	14.8	35	12.7	48	17.7
SATURDAY	53	19.3	50	18.5	63	22.8	54	19.9
SUNDAY	42	15.3	31	11.5	38	13.8	37	13.7

FATAL CRASHES BY TIME OF DAY

	1984 TOTAL	%	1985 TOTAL	%	1986 TOTAL	%	1987 TOTAL	%
MIDNIGHT-3:59AM	46	16.8	33	12.2	31	11.2	42	15.5
4:00AM - 7:59AM	22	8.1	31	11.5	25	9.1	31	11.5
8:00AM - 11:59AM	29	10.6	35	13.0	44	15.9	23	8.5
NOON - 3:59PM	55	20.1	47	17.4	54	19.6	56	20.6
4:00PM - 7:59PM	59	21.5	69	25.5	61	22.1	75	27.7
8:00PM-MIDNIGHT	61	22.2	55	20.4	59	21.4	44	16.2

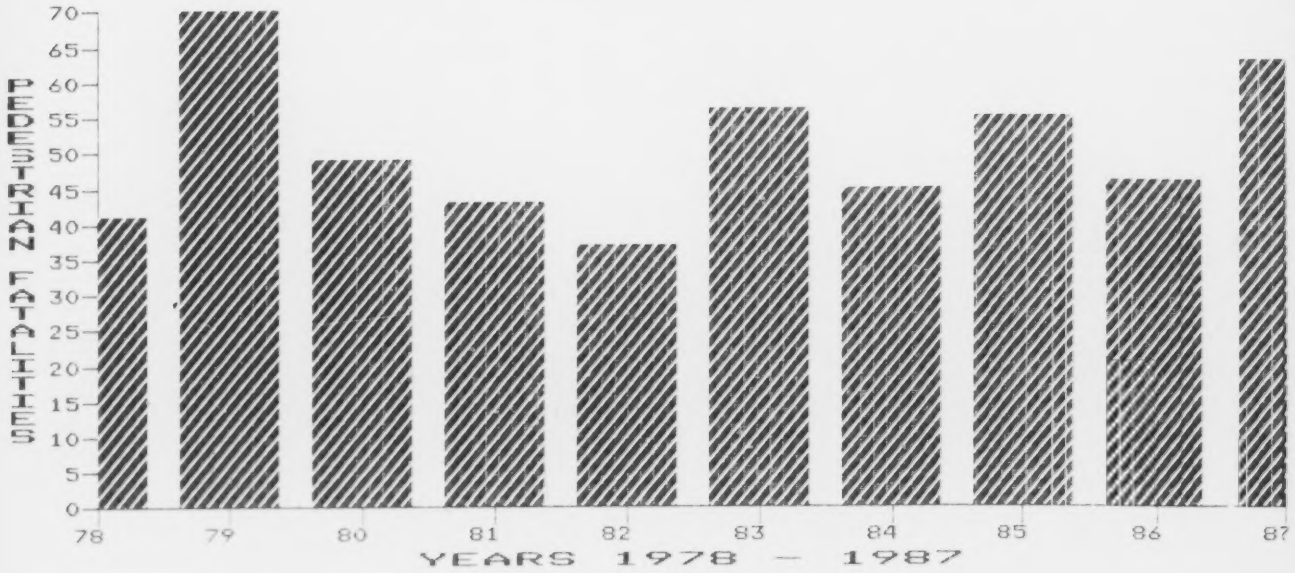
DURING 1987, SATURDAY WAS THE MOST HEAVILY REPRESENTED DAY OF THE WEEK WITH 20% OF ALL FATAL CRASHES. THE HIGHEST TIME PERIOD FOR FATAL CRASHES IN 1987, WAS 4:00 PM TO 8.00 PM WITH 28% OF ALL FATAL CRASHES OCCURRING DURING THAT TIME PERIOD.

DRIVER AGE AND SEX IN FATAL CRASHES

	MALE		FEMALE	
15 - 17	23	6.2%	11	3.0%
18 - 20	35	9.5%	17	4.6%
21 - 23	26	7.0%	15	4.1%
24 - 26	25	6.8%	8	2.2%
27 - 29	24	6.5%	5	1.4%
30 - 32	12	3.3%	4	2.7%
33 - 35	12	3.3%	10	2.7%
36 - 38	19	5.2%	5	1.4%
39 - 41	13	3.5%	4	1.1%
42 - 44	11	3.0%	4	1.1%
45 - 47	5	1.4%	2	0.5%
48 - 65	31	8.4%	9	2.4%
OVER 65	27	7.3%	7	1.9%
UNKNOWN AGE AND SEX	4	1.1%		
TOTAL	267	72.5%	101	27.5%

IN 1987 FATAL CRASHES, 34% OF THE DRIVERS WERE UNDER 24 YEARS OF AGE. SINCE THIS AGE GROUP OF DRIVERS MAKES UP 29% OF THE LICENSED DRIVERS IN UTAH, THEY ARE OVERREPRESENTED IN FATAL CRASHES. ADDITIONALLY, 23% OF THE DRIVERS INVOLVED IN 1987 FATAL CRASHES WERE UNDER AGE 24 AND MALE. SINCE THIS GROUP OF DRIVERS COMPRISE 15% OF ALL LICENSED DRIVERS IN UTAH, THEY ARE OVER-INVOLVED IN FATAL CRASHES. FEMALES AGE 15-23 INVOLVED IN FATAL CRASHES ARE MUCH HIGHER THAN IN THE PAST FIVE YEARS (43 CRASHES VS 25 CRASHES 5 YEAR AVERAGE)

PEDESTRIAN FATALITIES



1987 PEDESTRIAN ACCIDENT SUMMARY

	TOTAL	PERCENT
IN SALT LAKE COUNTY	33	52.3
IN WEBER, DAVIS AND UTAH COUNTIES	18	28.6
BETWEEN 5:00PM - 6:59PM	12	19.0
IN URBAN AREAS	37	58.8
ON ROADWAY	57	90.5
NOT PHYSICALLY DIVIDED ROAD	50	79.3
ON ROADWAY WITH POSTED SPEED 40MPH OR LESS	35	55.5
NO TRAFFIC CONTROLS	56	88.8
DARK	34	53.9
CLEAR WEATHER	59	93.7
HIT AND RUN	11	17.5
ON SATURDAYS	16	25.4
TOTAL ACCIDENTS	63	

1987 PEDESTRIAN/BICYCLISTS FATAL ACCIDENTS

DRIVER SUMMARY

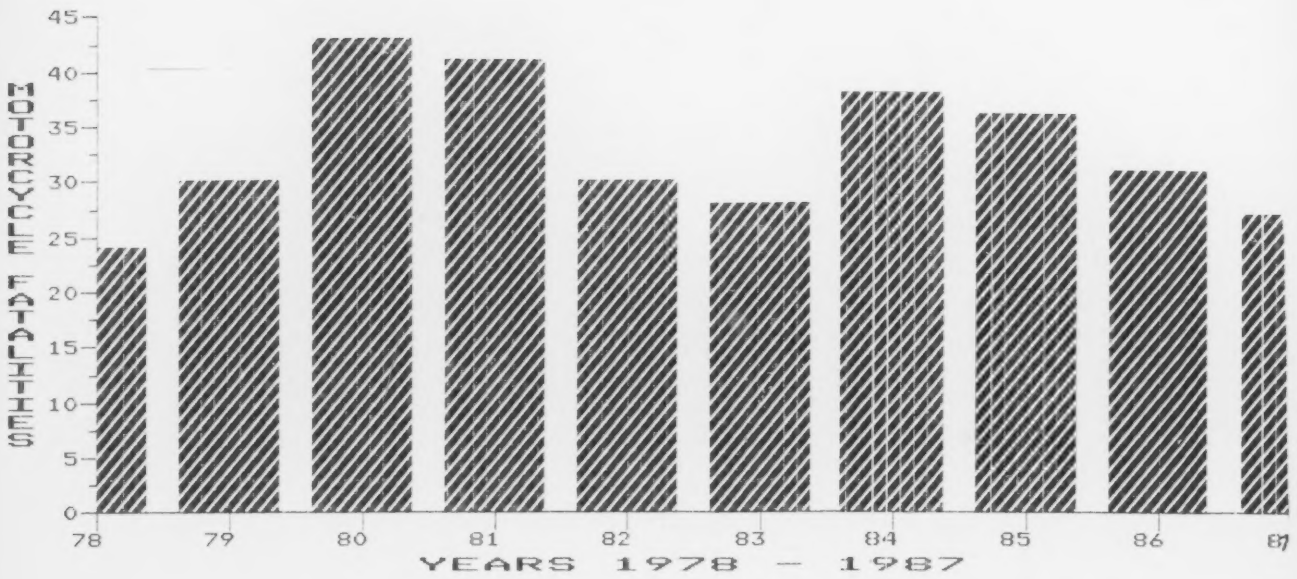
	TOTAL	PERCENT
UTAH DRIVERS	58	86.6
TRAVELING 40 MPH OR LESS	29	43.3
SPEEDING	1	1.5
DRINKING	6	9.0
TOTAL DRIVERS	45	

PEDESTRIANS KILLED

	TOTAL	PERCENT
AGE 4 OR UNDER	5	7.9
AGE 5 - 12	12	19.0
AGE 13 - 15	5	7.9
AGE 16 - 18	2	3.2
AGE 19 - 25	3	4.8
AGE 26 - 60	20	31.7
AGE OVER 60	16	25.4
MALE	39	61.9
IN A CROSSWALK	5	7.9
NOT IN A CROSSWALK NOR AT INTERSECTION	43	68.3
DRINKING	11	17.4
RAN INTO ROADWAY	19	30.2
CROSSING IMPROPERLY	17	27.0
JOGGING	1	1.6

THERE WERE 63 PEDESTRIANS KILLED IN 1987 AS COMPARED TO 46 IN 1986. THE PEDESTRIAN MOST OFTEN CONTRIBUTED TO THE ACCIDENT BY CROSSING IMPROPERLY WHEN VISIBILITY IS LOW DUE TO DARKNESS. 17% OF THE PEDESTRIANS KILLED HAD BEEN DRINKING. THERE WERE 9 BICYCLISTS KILLED IN 1987 AS COMPARED TO 6 IN 1986.

MOTORCYCLE FATALITIES



1987 MOTORCYCLE ACCIDENT SUMMARY

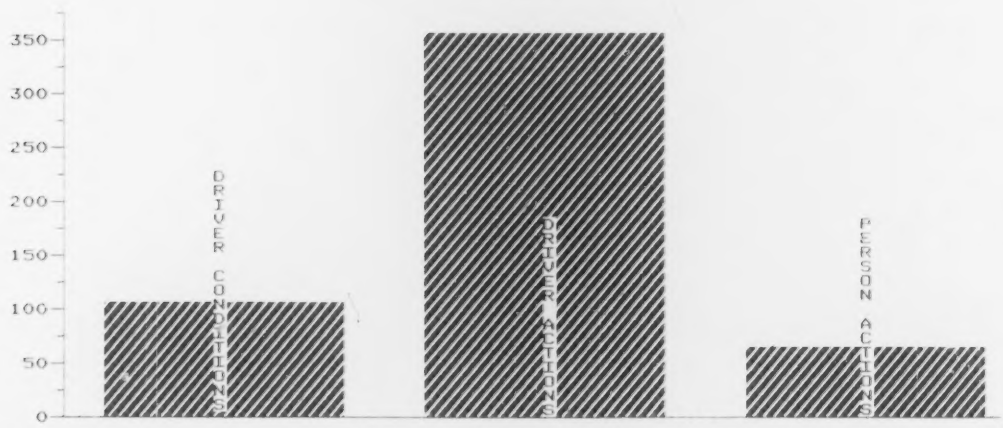
	TOTAL	PERCENT
IN SALT LAKE COUNTY	14	50.0
IN WEBER, DAVIS AND UTAH COUNTIES	8	28.6
BETWEEN 5:00PM AND MIDNIGHT	13	46.4
IN URBAN AREAS	15	53.4
COLLISION WITH ANOTHER VEHICLE	16	57.1
CLEAR WEATHER	27	96.4
TOTAL ACCIDENTS	28	

MOTORCYCLISTS KILLED

	TOTAL	PERCENT
DRIVERS KILLED	24	85.7
UNDER 25 YEARS OF AGE	15	53.6
MALE	24	85.7
NO HELMET	19	67.9
DRINKING	10	35.7
PASSENGERS KILLED	3	60.0
NO HELMET	3	60.0
TOTAL DRIVERS & PASSENGERS KILLED	27	81.8

86% OF THE MOTORCYCLE DRIVERS INVOLVED IN 1987 FATAL MOTORCYCLE ACCIDENTS WERE KILLED AND 60% OF THE PASSENGERS INVOLVED WERE KILLED. THERE WERE 27 MOTORCYCLISTS KILLED OF WHICH 5 WERE WEARING HELMETS.

CONTRIBUTING FACTORS IN 1987 FATAL CRASHES



DRIVER CONDITIONS

	TOTAL
DROWSY/ASLEEP	27
DRINKING	74
OTHER	5

DRIVER ACTIONS

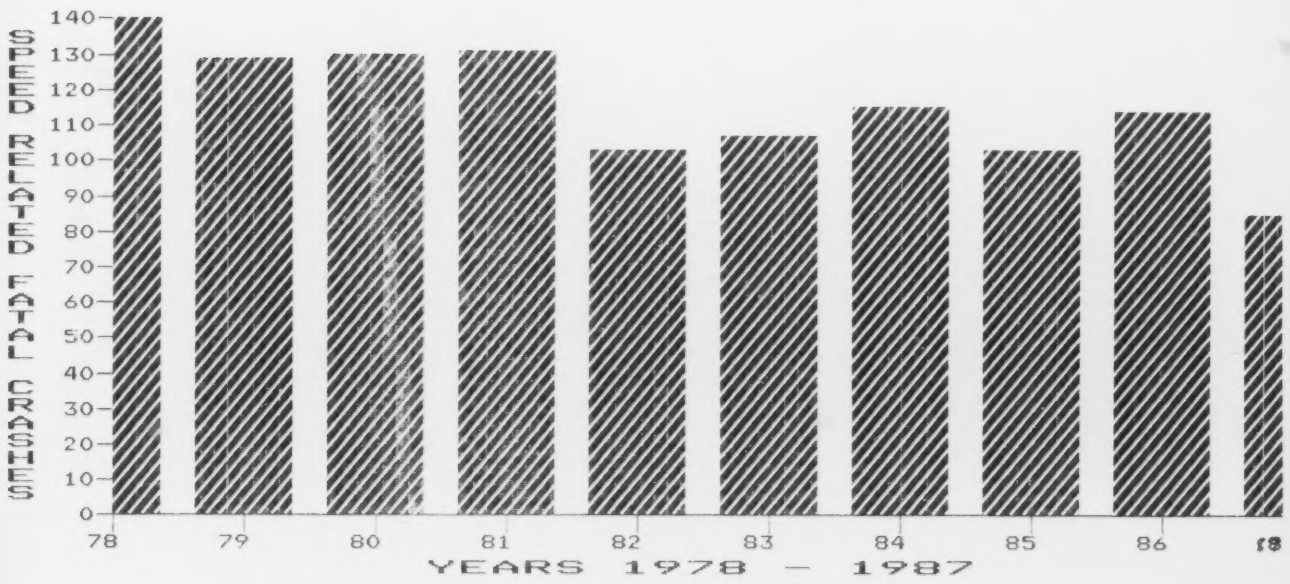
	TOTAL
SPEEDING	89
FAILURE TO YIELD	33
FAILURE TO OBEY TRAFFIC CONTROLS	11
IMPROPER PASSING	4
RECKLESS DRIVING	45
RAN OFF ROAD	45
IMPROPER TURN	5
OTHER	18

PERSON ACTIONS

	TOTAL
DRINKING	12
IMPROPER CROSSING	21
WALKING IN ROADWAY	22
OTHER	11

IN 1987 SPEEDING WAS THE LEADING CONTRIBUTING CIRCUMSTANCE OF FATAL CRASHES. DRINKING IS NOTED AS A CONTRIBUTING FACTOR FOR 20% OF THE DRIVERS. SOME ACCIDENTS HAD MORE THAN ONE CONTRIBUTING FACTOR.

DRIVER CONTRIBUTING FACTORS
SPEEDING



SPEEDING ACCIDENT SUMMARY 1987

	TOTAL	PERCENT
IN RURAL AREAS	59	69.4
COLLISION WITH ANOTHER VEHICLE	21	24.7
OVERTURN	41	48.2
ON DRY ROADS	71	83.5
CLEAR WEATHER	73	85.9
TOTAL ACCIDENTS	85	

DRIVERS KILLED IN SPEED RELATED ACCIDENTS 1987

	TOTAL	PERCENT
DRIVERS KILLED	52	58.4
MALE	42	47.2
UNDER 25 YEARS OF AGE	25	28.1
NO RESTRAINT USE	48	53.9

SPEEDING DRIVERS AGE AND SEX IN FATAL CRASHES

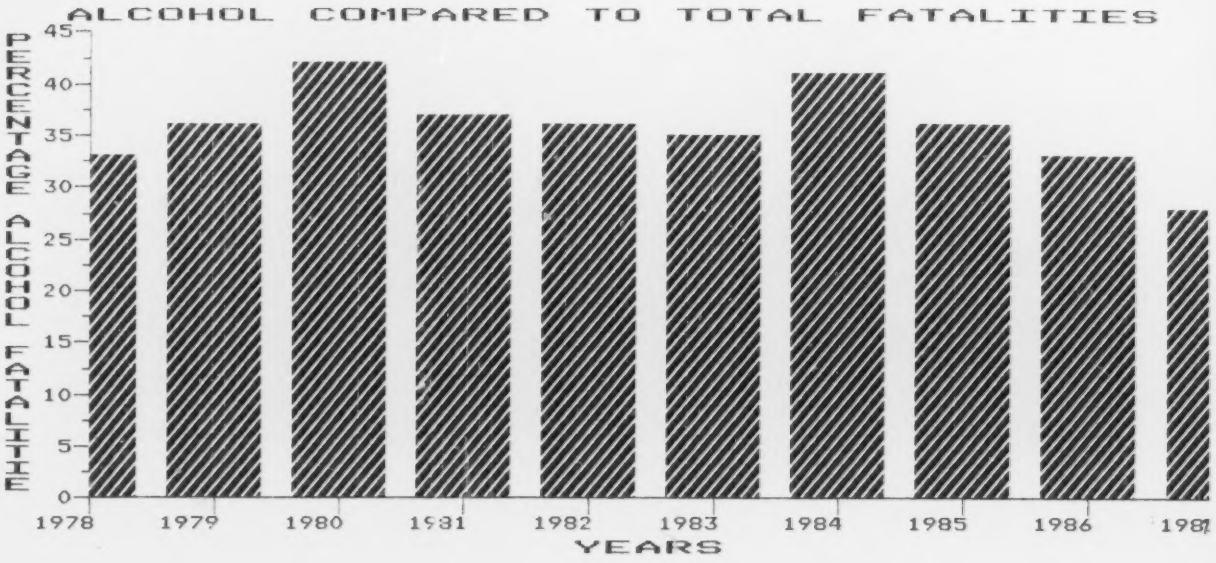
	MALE		FEMALE	
	TOTAL	%	TOTAL	%
15 - 17	7	7.9	1	1.1
18 - 20	16	18.0	0	0.0
21 - 23	14	15.9	5	5.6
24 - 26	5	5.6	3	3.4
27 - 29	7	7.9	3	3.4
30 - 32	3	3.4	0	0.0
33 - 35	2	2.2	2	2.2
36 - 38	5	5.6	0	0.0
39 - 41	3	3.4	0	0.0
42 - 44	1	1.1	1	1.1
45 - 47	1	1.1	1	1.1
48 - 65	5	5.6	2	2.2
OVER 65	2	2.2	0	0.0
TOTAL	71	79.9	18	20.1

SPEEDING DRIVER SUMMARY

	TOTAL	PERCENT
NO RESTRAINTS USED	79	88.8
UTAH DRIVERS	71	79.8
SPEEDS OVER 55	42	47.2
PREVIOUS ACCIDENTS	8	9.0
PREVIOUS SUSPENSIONS	17	19.1
PREVIOUS DUI'S	11	12.4
PREVIOUS SPEED	35	39.3
PREVIOUS OTHER HARMFUL	20	22.4
TOTAL DRIVERS	89	

IN 1987 FATAL CRASHES, 20% OF THE SPEEDING DRIVERS WERE FROM OUT OF STATE. 41% OF THE DRIVERS WHO CONTRIBUTED BY SPEEDING WERE UNDER 24 YEARS OF AGE AND 80% WERE MALE. 48% OF THE FATAL CRASHES INVOLVING EXCESSIVE SPEED RESULTED IN OVERTURNS.

ALCOHOL RELATED FATAL CRASHES AND FATALITIES



THE HIGHEST YEAR FOR ALCOHOL RELATED FATALITIES SINCE 1973 WAS 1981 (151). THE YEAR WITH THE GREATEST PERCENTAGE OF ALCOHOL RELATED FATAL CRASHES SINCE 1973 WAS 1980 (42%).

ALCOHOL RELATED ACCIDENTS

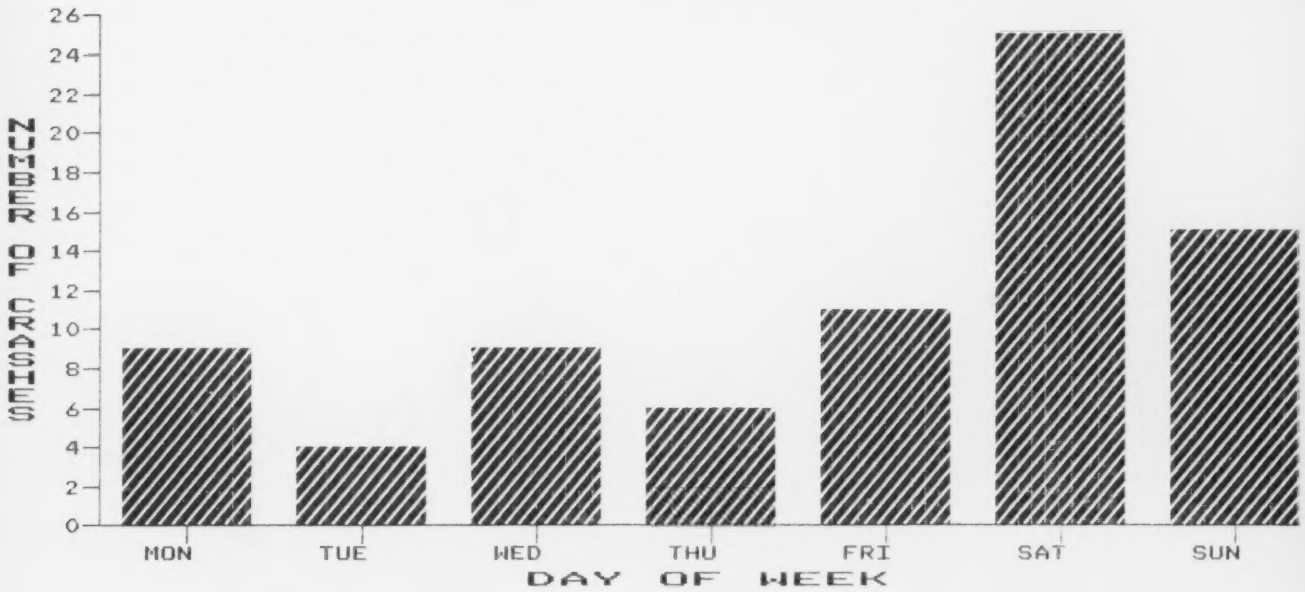
	1984	1985	1986	1987
TOTAL FATAL CRASHES	274	270	276	271
TOTAL FATALITIES	315	303	312	297
TOTAL ALCOHOL FATAL CRASHES	113	95	90	79
TOTAL ALCOHOL RELATED FATALITIES	129	110	104	82
% ALCOHOL OUT OF TOTAL FATALITIES	41.0	36.3	33.3	27.6
TOTAL PEOPLE KILLED	129	110	104	82
TOTAL DRIVERS KILLED	78	60	58	48
TOTAL PASSENGERS KILLED	28	28	30	18
TOTAL PEDESTRIANS KILLED	19	22	16	15
TOTAL BICYCLISTS KILLED	1	0	0	1

ALCOHOL RELATED FATAL ACCIDENTS BY MONTH

	1984		1985		1986		1987	
	TOTAL	%	TOTAL	%	TOTAL	%	TOTAL	%
JANUARY	4	3.5	10	10.5	0	0.0	4	5.1
FEBRUARY	4	3.5	6	6.3	7	7.8	8	10.1
MARCH	7	6.2	10	10.5	8	8.9	10	12.7
APRIL	9	8.0	10	10.5	2	2.2	8	10.1
MAY	15	13.3	10	10.5	10	11.1	5	6.3
JUNE	19	16.8	7	7.4	12	13.4	11	13.9
JULY	9	8.0	5	5.3	8	8.9	8	10.1
AUGUST	15	13.3	11	11.6	12	13.4	5	6.3
SEPTEMBER	10	8.9	5	5.3	9	9.9	10	12.7
OCTOBER	8	8.4	10	11.1	4	5.1	4	5.1
NOVEMBER	7	6.2	11	11.6	7	7.8	4	5.1
DECEMBER	8	7.0	6	6.3	5	5.5	2	2.5
TOTAL	113	100.0	95	100.0	90	100.0	79	100.0

IN 1987 ALCOHOL RELATED FATAL CRASHES 13% OCCURRED IN JUNE

ALCOHOL FATAL ACCIDENTS BY DAY 1987



DAY OF WEEK

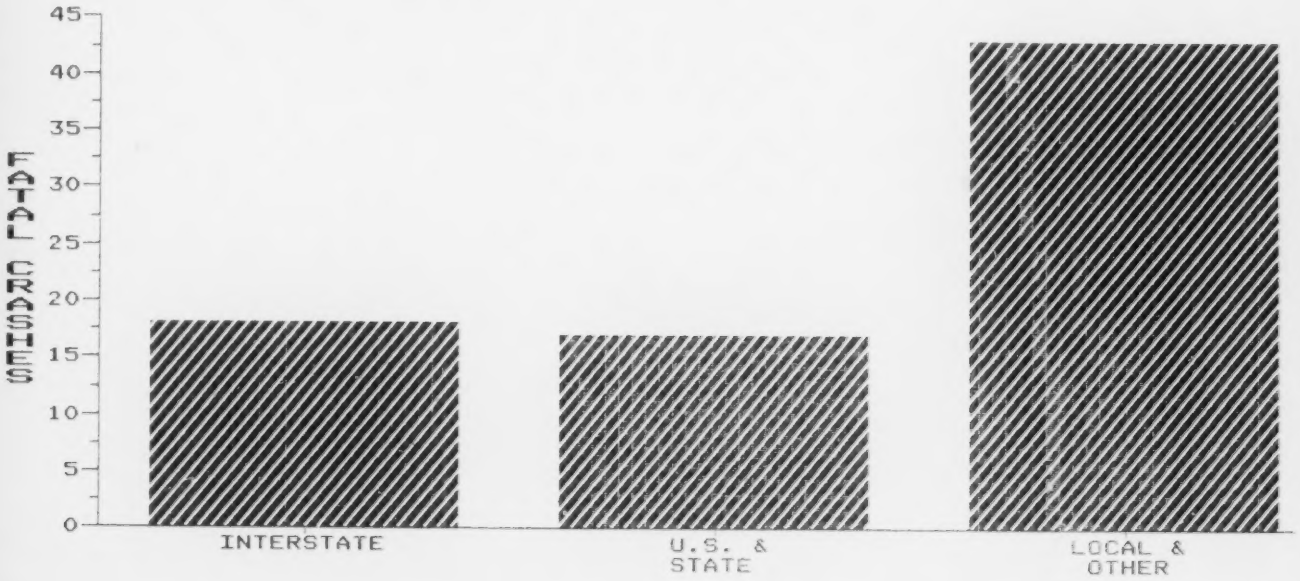
	TOTAL	PERCENT
MONDAY	9	11.4
TUESDAY	4	5.1
WEDNESDAY	9	11.4
THURSDAY	6	7.6
FRIDAY	11	13.9
SATURDAY	25	31.7
SUNDAY	15	18.9

TIME OF DAY

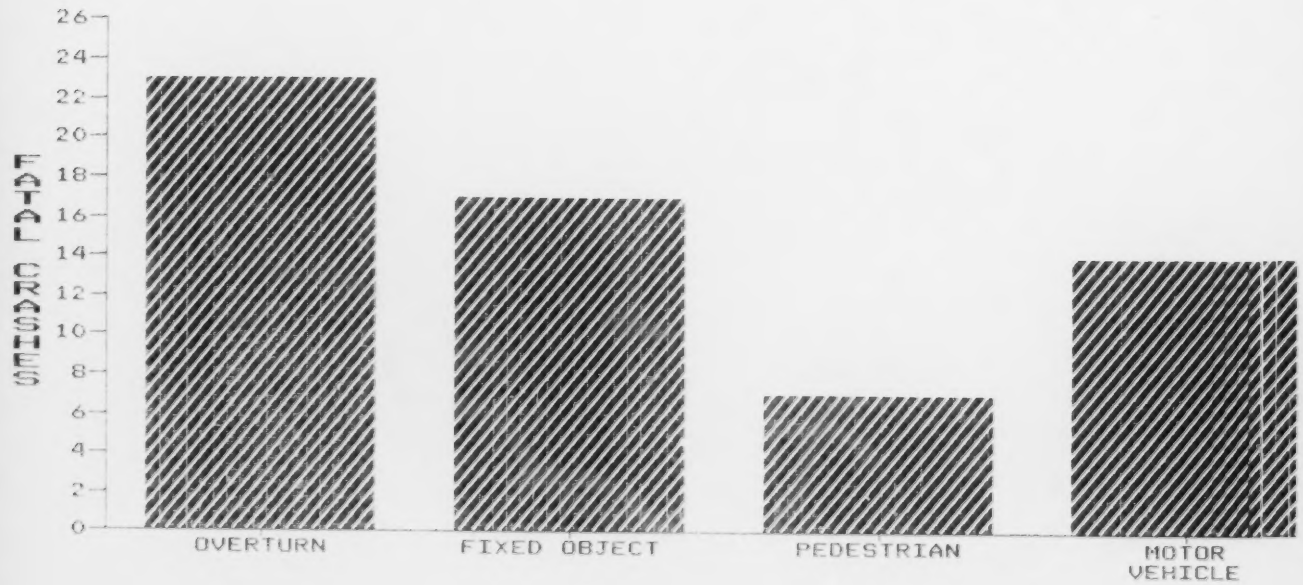
	TOTAL	PERCENT
MIDNIGHT-3:59AM	28	35.4
4:00AM-7:59AM	9	11.4
8:00AM-11:59AM	2	2.5
NOON-3:59PM	4	5.1
4:00PM-7:59PM	15	18.9
8:00PM-11:59PM	21	26.7

IN 1987 ALCOHOL RELATED FATAL CRASHES 62% OCCURRED BETWEEN 8P.M. AND 4A.M. AND 32% OCCURRED ON SATURDAY.

1987 ALCOHOL RELATED FATAL CRASHES BY CLASS OF TRAFFICWAY



ALCOHOL RELATED FIRST HARMFUL EVENT

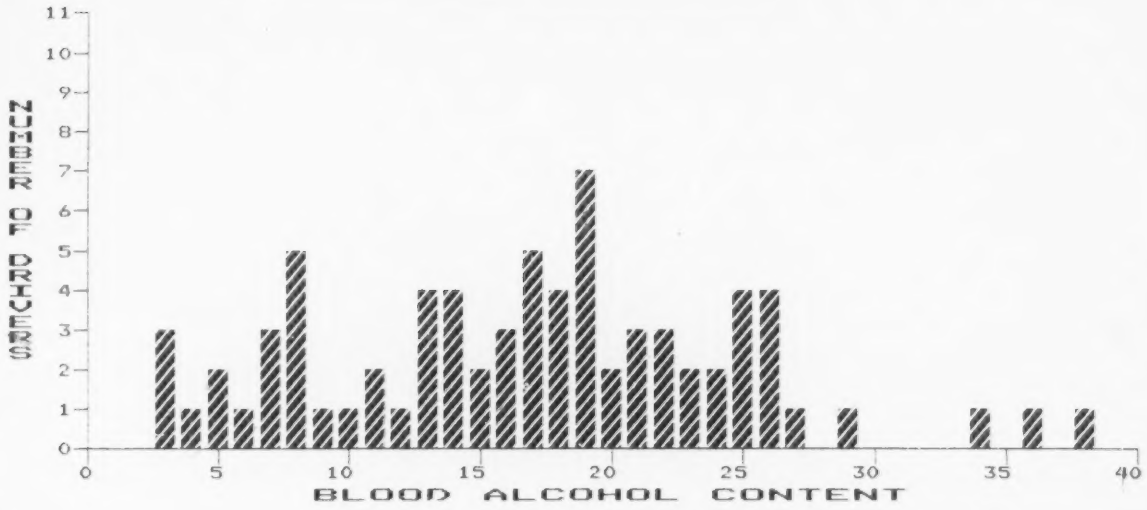


DRIVERS WHO CONTRIBUTED IN ALCOHOL RELATED FATAL CRASHES
AGE AND SEX 1987

	MALE	FEMALE
15 - 17	2	1
18 - 20	7	3
21 - 23	10	3
24 - 26	7	2
27 - 29	11	2
30 - 32	4	0
33 - 35	3	1
36 - 38	6	1
39 - 41	3	0
42 - 44	1	1
45 - 47	2	0
48 - 65	1	0
OVER 65	0	0
TOTAL	60	14

IN 1987 ALCOHOL RELATED FATAL CRASHES, 13% OF THE DRIVERS WERE UNDER 21 YEARS OLD AND MALE.

1987 DRINKING DRIVERS IN ALCOHOL RELATED FATAL CRASHES
BLOOD ALCOHOL CONTENT



1986 AVERAGE B.A.C. .16

1987 AVERAGE B.A.C. .17

B.A.C.	TOTAL
.03	3
.04	1
.05	2
.06	1
.07	3
.08	5
.09	1
.10	1
.11	2
.12	1
.13	4
.14	4
.15	2
.16	3
.17	5
.18	4
.19	7
.20	2
.21	3
.22	3
.23	2
.24	2
.25	4
.26	4
.27	1
.29	1
.34	1
.36	1
.38	1
RESULTS UNKNOWN	8
UNKNOWN	2

86% OF THE DRIVERS WHO CONTRIBUTED BY DRINKING IN ALCOHOL RELATED FATAL CRASHES HAD A BLOOD ALCOHOL CONTENT OF .08 OR GREATER.

ALCOHOL RELATED FATAL ACCIDENTS BY COUNTY

	1984		1985		1986		1987	
	ACC	FATALS	ACC	FATALS	ACC	FATALS	ACC	FATALS
BEAVER	1	2	0	0	1	1	1	1
BOX ELDER	4	4	1	1	5	5	2	2
CACHE	0	0	2	2	2	2	3	3
CARBON	1	1	3	3	5	5	1	1
DAGGETT	0	0	1	1	0	0	0	0
DAVIS	4	5	6	6	3	4	1	1
DUCHESNE	0	0	3	3	4	4	3	4
EMERY	4	5	1	1	2	2	0	0
GARFIELD	1	2	0	0	1	1	0	0
GRAND	3	3	3	5	1	1	1	1
IRON	1	1	1	1	1	1	0	0
JUAB	1	1	0	0	0	0	1	1
KANE	3	6	0	0	0	0	0	0
MILLARD	3	3	3	4	0	0	0	0
MORGAN	2	3	1	1	1	1	0	0
PIUTE	2	2	0	0	0	0	0	0
RICH	0	0	0	0	0	0	0	0
SALT LAKE	36	38	37	40	31	40	32	33
SAN JUAN	1	1	4	6	4	4	2	2
SANPETE	4	4	1	1	0	0	1	1
SEVIER	1	1	2	2	3	3	1	1
SUMMIT	6	7	2	2	1	1	4	4
TOOELE	3	4	4	8	6	7	8	8
UINTAH	3	3	5	5	2	2	1	1
UTAH	9	9	4	6	3	3	7	8
WASATCH	3	4	4	5	1	1	2	2
WASHINGTON	5	6	2	2	5	7	1	1
WAYNE	0	0	0	0	0	0	0	0
WEBER	12	14	5	5	8	9	7	7
TOTAL	113	129	95	110	90	104	79	82

IN 1987, 68% OF ALL ALCOHOL RELATED FATAL CRASHES OCCURRED IN FOUR COUNTIES: SALT LAKE, UTAH, WEBER, AND TOOELE.

OCCUPANT RESTRAINT USE

A LAW REQUIRING PARENTS AND GUARDIANS TO PUT THEIR INFANTS AND TODDLERS UNDER AGE FIVE IN APPROPRIATE RESTRAINTS WENT IN TO EFFECT JULY 1, 1984.

ON APRIL 28,1986 A NEW OCCUPANT RESTRAINT LAW WENT IN TO EFFECT. IT REQUIRES ALL FRONT SEAT OCCUPANTS TO BE USING SAFETY BELTS. VEHICLES NOT REQUIRED TO BE EQUIPPED WITH BELTS BY FEDERAL STANDARD ARE EXEMPT. PEOPLE WITH MEDICAL PROBLEMS WHICH WOULD BE AGGRAVATED BY THE USE OF SEAT BELTS DO NOT HAVE TO USE THEM IF THEY HAVE WRITTEN NOTIFICATION FROM A PHYSICIAN. ANYONE IN VIOLATION CAN BE FINED $10.00. ENFORCEMENT IS TO BE SECONDARY, THAT IS ONLY AFTER BEING STOPPED FOR ANOTHER OFFENSE.

IN 1987 THERE WERE 657 DRIVERS AND PASSENGERS INVOLVED IN FATAL CRASHES. OF THIS GROUP 522 WERE NOT WEARING SEAT BELTS AND 127 WERE WEARING SOME TYPE OF RESTRAINT. 196 DRIVERS AND PASSENGERS WERE KILLED. 24 WERE WEARING SOME KIND OF RESTRAINT. THIS DOES NOT INCLUDE MOTORCYCLE DRIVERS AND PASSENGERS. OF THIS GROUP 6 WERE CHILDREN AGES 0 - 4 AND ONE WAS IN A RESTRAINT.

AGES 0 - 4

	KILLED WITHOUT RESTRAINT	KILLED RESTRAINED	INVOLVED	RESTRAINED
1984	2	1	20	6
1985	5	0	38	7
1986	6	0	41	6
1987	6	1	38	10

ALL AGE GROUPS
TOTALLY OR PARTIALLY EJECTED

	EJECTED	KILLED
1984	148	99
1985	125	82
1986	165	115
1987	133	86